SYSTEM AND METHOD FOR SECURE DATA TRANSMISSION

ABSTRACT OF THE DISCLOSURE

A system for secure data transmission comprises a processor, a memory coupled to the processor, and a string generator stored in the memory and executable by the processor. The string generator is adapted to generate a character string. The system also comprises a hashing engine stored in the memory and executable by the processor. The hashing engine is adapted to generate a hash key using the character string and a private key. The system further comprises an encryption engine stored in the memory and executable by the processor. The encryption engine is adapted to encrypt the data using the hash key. The processor is adapted to transmit the encrypted data, an identification key related to the private key, and the character string to a recipient.